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WPI Acc No: 1996-259744/199626

XRAM Acc No: C96-082236

New 3-(substd. naphthyl or tetralinyl)oxy-1,1-dihalo-propene  
derivs. - with insecticidal and miticidal activity, useful as pesticides

Patent Assignee: SUMITOMO CHEM CO LTD (SUMO )

Inventor: NAGATOMI T; SAKAMOTO N; SUZUKI M; TSUSHIMA K; UMEDA K

Number of Countries: 066 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9615093	A1	19960523	WO 95JP2320	A	19951114	199626 B
AU 9538567	A	19960606	AU 9538567	A	19951114	199637
JP 8515922	X	19971125	WO 95JP2320	A	19951114	199806

Priority Applications (No Type Date): JP 95258986 A 19951005; JP 94279533 A 19941114

Cited Patents: DE 2304962; DE 2312518; GB 1420171; GB 1424211; JP 48086835;  
JP 49001526; JP 70188088; US 4048235; US 4061683

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9615093 A1 J 252 C07C-043/225  
Designated States (National): AL AM AT AU BB BG BR BY CA CH CN CZ DE DK  
EE ES FI GB GE HU IS JP KE KG KR KZ LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VNDesignated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU  
MC MW NL OA PT SD SE SZ UGAU 9538567 A C07C-043/225 Based on patent WO 9615093  
JP 8515922 X C07C-043/225 Based on patent WO 9615093

Abstract (Basic): WO 9615093 A

Dihalopropenol derivatives of formula R1-Z-Y-OCH<sub>2</sub>CH=CXX' (I) are new. R1 = 5-6C cycloalkenyl, 4-9C cycloalkenyl, 6-8C cycloalkenylalkyl (all opt. substd. by 1-4C alkyl), 1-10C alkyl, 1-5C haloalkyl, 2-10C alkenyl, 2-6C haloalkenyl, 3-9C alkynyl, 3-5C haloalkynyl, 2-7C alkoxyalkyl, 2-7C alkylthioalkyl, 3-6C cycloalkyl (opt. substd. by 1-4C alkyl, 1-3C alkoxy or 1-3C haloalkyl), A, CHR4-(C(R2)(R3))i-A' or a gp. of formula (a); A' = A, B-A, B(C(R5)(R6))j-A, C(R7)=C(R8)-j-A, C(R7)=C(R8)-(C(R5)(R6))j-B-A, OCOC(R7)=C(R8)-A, OCO(C(R5)(R6))j-B-A; A = phenyl, naphthyl, or heterocyclyl (all opt. substd.); B = O, S(O)n, NR11, -CO-G- or -G-CO-; G = O or NR15; Z = O, S or NR12; Y = a gp. of formula (b) - (f), and the gp. on the left is opt. 2-bonded to Z; Ring C = benzene (opt. substd. by up to 3 gps. R) or tetrahydrobenzene; X, X' = Cl or Br; R11, R12, R15 = H or 1-3C alkyl; R2-R6 = H, 1-3C alkyl or CF3; R7, R8 = H, 1-3C alkyl, CF3 or halo; R' = halo, 1-4C alkyl, 1-3C haloalkyl, 1-3C alkoxy or 1-3C haloalkoxy; R'' = H, Me or halo; R = halo, 1-4C alkyl, 1-3C haloalkyl, 2-4 C alkenyl or 2-4C haloalkenyl; P = 0-3; n = 0-2; i = 0-6; j = 1-6; k = 0-4; l = 1 or 2; m = 0-2.Also claimed are intermediates of formula H-Z-Y'-OCH<sub>2</sub>CH=CXX' (II). Y' = (b)-(e) with ring C = opt. substd. benzene.

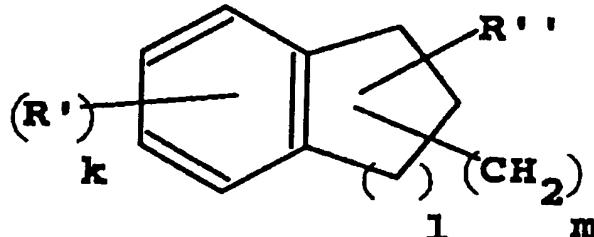
USE - Compounds (I) are insecticides and miticides. They are active against mite pests of plants and animals, and a wide range of insects, including lepidoptera, hemiptera, hymenoptera, coleoptera, siphonaptera, isoptera, diptera and orthoptera, including Agrothis, Heliothis and Epilachna spp. (I) can be used in bait, in fumigants, insect attractants, aerosols, and formulations for application to the

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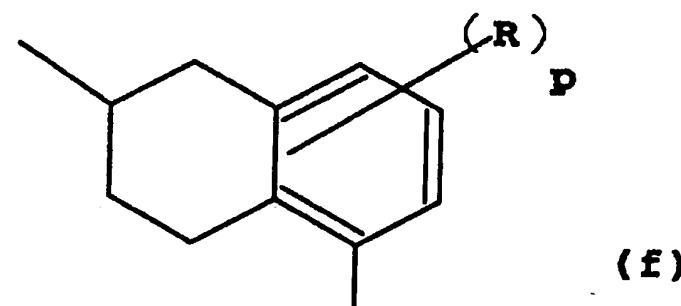
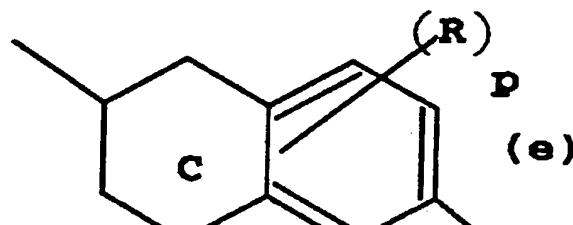
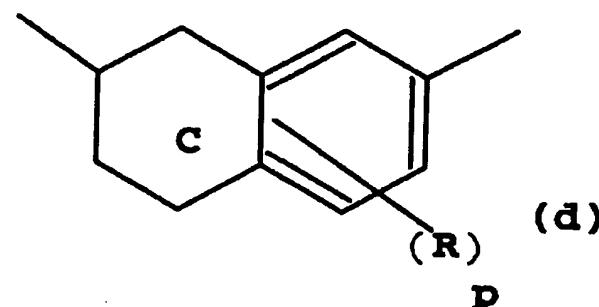
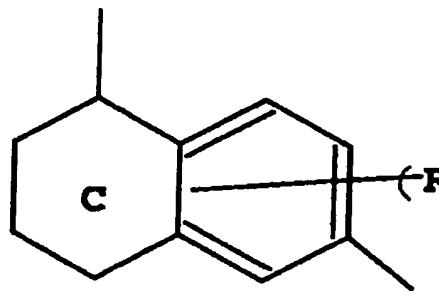
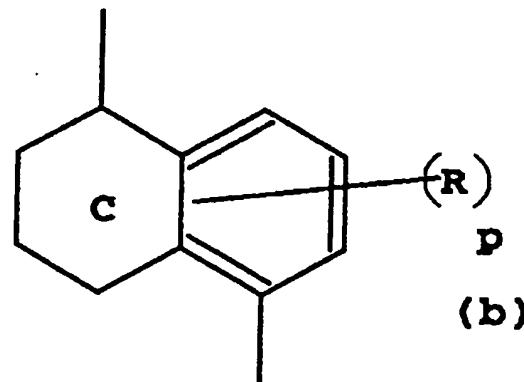
soil or water, including emulsions, granules and powders.

Applicn. rate is 0.1-100g/10a

Dwg.0/0



(a)



Title Terms: NEW; SUBSTITUTE; NAPHTHYL; TETRALINYL; OXY; DI; HALO; PROPYLENE; DERIVATIVE; INSECT; MITE; ACTIVE; USEFUL; PEST

Derwent Class: C02; C03

International Patent Class (Main): C07C-043/225

International Patent Class (Additional): A01N-031/14; A01N-033/08; A01N-037/20; A01N-043/40; C07C-043/23; C07C-069/92; C07C-217/74; C07C-217/94; C07C-233/67; C07C-323/17; C07C-323/18; C07D-213/30; C07D-213/61; C07D-213/64; C07D-213/65; C07D-213/68; C07D-213/70; C07D-213/74

File Segment: CPI

Manual Codes (CPI/A-N): C07-D04C; C10-B03A; C10-E04B; C14-B04A; C14-B04B

Chemical Fragment Codes (M2):

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G015 G016 G017 G018 G020 G021 G022 G029 G030 G031 G032 G040 G050

G100 G111 G221 G223 G299 G553 G563 H102 H103 H121 H141 H161 H5 H521  
 H541 H542 H561 H562 H581 H592 H594 H596 H598 H6 H600 H602 H603 H608  
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 H716 H721 H722 H723 H731 H8 L640 L650 L660 M121 M122 M123 M124 M125  
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 M904 P341 9626-65401-N  
**\*02\*** C216 C316 D010 D020 D040 F010 F021 G001 G002 G010 G011 G012 G013  
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**\*03\*** G001 G002 G014 G015 G016 G017 G018 G020 G021 G031 G032 G040 G100  
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 M280 M281 M282 M283 M311 M312 M313 M314 M315 M316 M321 M322 M323  
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**\*04\*** G013 G020 G029 G111 G221 H5 H542 H6 H602 H608 H684 H685 H7 H721 H8  
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**\*05\*** G020 G031 G032 G223 H102 H103 H161 H5 H541 H561 H581 H596 H598 H6  
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Generic Compound Numbers: 9626-65401-N; 9626-65402-N; 9626-65403-N;  
 9626-65404-N; 9626-65405-N